

[What is claimed is]

[Claim 1] An amorphous fine silica particle made by flame hydrolysis of a silicon compound, wherein said silica particle having, 0.1 - 0.7 μ m of the average particle diameter (median diameter), 5 - 30m² / g of the specific surface area by BET, and less than 40 of the dispersion coefficient (z) shown in the following formula [1],

$$Z = Y / 2X \quad \cdots [1]$$

,where X is a median size, Y is a particle size range, which is from 10% to 90% of an accumulative particle size.

[Claim 2] The amorphous fine silica particle according to Claim 1, wherein said silica particle is used as a filler of a semiconductor resin-sealing agent.

[Claim 3] The amorphous fine silica particle according to Claim 1, wherein said silica particle is used as a filler for anti-blocking of a plastic film or sheet.

[Claim 4] The amorphous fine silica particle according to Claim 1, wherein said silica particle is used as an outer additional agent for a toner.

[Claim 5] The amorphous fine silica particle according to Claim 1, wherein said silica particle is used for a surface protection layer or an electric charge transportation layer of a photo conductor of an electronic photograph.

[Claim 6] An amorphous fine silica particle made by a flame hydrolysis of a silicon compound, wherein said silica particle having, 0.1 - 0.7 μ m of the average particle diameter (median size),

5 - 30m² / g of the specific surface area by BET,

less than 40 of the dispersion coefficient (z) shown in the following formula

[1], and

more than 20μC / m² of the absolute value of triboelectrostatic charge to the specific surface area by BET.

$$Z = Y / 2X \quad \cdots [1]$$

,where X is a median size, Y is a particle size range which is from 10% to 90% of an accumulative particle size.

[Claim 7] The amorphous fine silica particle according to Claim 6, wherein said silica particle is surface-treated with a silane coupling agent and/or organo-polysiloxane.

[Claim 8] The amorphous fine silica particle according to Claim 6, wherein said silica particle is surface-treated by a dry method.

[Claim 9] A development agent for an electronic photograph, wherein said agent uses the amorphous fine silica particle according to Claim 6, Claim 7, or Claim 8.

[Claim 10] A surface protection layer material of a photo conductor, wherein said material uses the amorphous fine silica particle according to Claim 6, Claim 7, or Claim 8.

[Claim 11] A material of electric charge transportation layer, wherein said material uses the amorphous fine silica particle according to Claim 6, Claim 7, or Claim 8.

[Claim 12] A production process of an amorphous fine silica particle by leading a gaseous silicon compound into a flame to be hydrolyzed, the process also comprising,

